

A B S T R A C T

A METHOD AND DEVICE FOR CONTROLLING DISPLACEMENTS OF THE
MOVABLE PART OF A MULTI-AXIS ROBOT

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The inventive method consists in supplying motion instructions (300) at least including information about the path geometry (320) and load instructions (310) to a path generator (400), calculating an allied load signal 10 (800), transmitting said applied load signal (800) to the path generator (400), calculating motion instructions (500) along the path in such a way that the deviation between the projection of the applied load on a tangent to said path and the projection of the instruction on 15 said tangent is minimized and in transmitting said motion instructions (500) to means for actuating a robot (600). A device comprising means (200, 400, 700) for carrying out said control is also disclosed.

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